



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Juliana H. J. Brooks and Bentley J. Blum  
Application No. : 09/919,679  
Filed : August 1, 2001  
  
Title : Spectral Catalysts  
  
G/A Unit : 1651  
Examiner : Jon P. Weber  
Docket No. : BLP:101(a) US CIP

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**RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir,

In regard to the Office Action of July 11, 2003, Applicants provide the following Remarks.

**REMARKS**

Claims 1-15 stand rejected. The rejections in the Action are respectfully traversed.

The pending independent claims 1 and 13 are reproduced as follows:

1. A method for augmenting at least one physical catalyst in a chemical reaction system with at least one spectral catalyst comprising the steps of:
  - a) determining an electromagnetic spectral pattern of said at least one physical catalyst;
  - b) duplicating at least one frequency of said electromagnetic spectral pattern of step (a) with at least one electromagnetic energy emitter source; and
  - c) exposing said chemical reaction system to said at least one frequency of said duplicated electromagnetic spectral pattern thereby augmenting said at least one physical catalyst.

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

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August 1, 2001

Examiner

Jon P. Weber

Group Art Unit

1651

Invention:

Spectral Catalysts

I hereby certify that this Response to Office Action

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